

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/559,013A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- Numbering
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0 A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- "bug"
- 7 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence (NEW RULES) <210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing. (NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents:
- 10 Invalid <213> Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or Response scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0 Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- "bug"

RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/559,013A

TIME: 11:32:09

Input Set : A:\473195_1.txt

Output Set : N:\CRF3\07272001\I559013A.raw

3 <110> APPLICANT: Ono, Toshiro
 4 Nakayama, Eiichi
 6 <120> TITLE OF INVENTION: CANCER ASSOCIATED ANTIGENS AND USES
 7 THEREFOR
 9 <130> FILE REFERENCE: L0461/7086
 11 <140> CURRENT APPLICATION NUMBER: US 09/559,013A
 12 <141> CURRENT FILING DATE: 2000-04-26
 14 <150> PRIOR APPLICATION NUMBER: US 60/168,353
 15 <151> PRIOR FILING DATE: 1999-12-01
 17 <160> NUMBER OF SEQ ID NOS: 32
 19 <170> SOFTWARE: FastSEQ for Windows Version 3.0

Does Not Comply
 Corrected Diskette Needed

pp 1-3

ERRORED SEQUENCES

143 <210> SEQ ID NO: 5
 144 <211> LENGTH: 1705
 145 <212> TYPE: DNA
 146 <213> ORGANISM: Mus musculus
 148 <400> SEQUENCE: 5

149	gccgcggtga	gggaagtga	cgcatggcc	gggtccgct	gggtgtccaa	ggtctctcgg	60
150	ctgctgggtg	cattccacaa	cacaaaacag	gtgacaagag	gttttgctgg	tggtgttcag	120
151	acagtaactt	taattcctgg	agatggaatt	ggcccagaaa	tttcagcctc	agtcatgaag	180
152	atttttgatg	ctgccaaagc	acctattcag	tgggaggagc	gcaatgtcac	agcaattcaa	240
153	ggaccaggag	gaaagtggat	gatccctcca	gaagccaagg	agtcctatga	taagaacaag	300
154	atgggcttga	aaggccact	aaagacccca	atagccgctg	gccatccatc	tatgaatctg	360
155	ttgcttcgta	agacatttga	cctttatgcc	aatgtccggc	catgtgtctc	aattgaaggt	420
156	tataaaaccc	cttacacgga	tgtaaataac	gtcaccatcc	gagagaacac	ggaaggagaa	480
157	tacagtggaa	ttgagcatgt	gatcgttgat	ggggttggtc	agagcatcaa	gctcatcacc	540
158	gaagaagcaa	gcaagcgcat	tgcatagttt	gcttcgagta	cgctcggaac	aaccaccgga	600
E--> 159	accacgtcac	ngctgtgcac	aaaagctaac	atcatgagga	tgctcagatgg	gctctttctg	660
160	caaaaatgca	gggaaatttg	cggaagaact	gtaaagactt	aaatttaacg	agatgtactt	720
E--> 161	ggatactgtt	gtttaaatat	gggtanaaag	acccntccaa	tttgatgttc	ttgtcatgcc	780
162	aaattttatac	ggagacatcc	ttagtgtatc	gtgtgcagga	ctgattggag	gtcttggggg	840
163	gactccaagt	ggcaatattg	gagccaacgg	tggtgccatc	tttgaatcgg	ttcatggaac	900
164	agccccggac	attgcaggca	aggacatggc	caacccacag	gccctcctgc	ttagtgtctg	960
165	gatgatgctt	cgccacatgg	gactttttga	ccatgcagca	aaaatcgagg	ctgcatgttt	1020
166	tgctacaatt	aaggatggaa	agagcttaac	aaaagatctg	ggaggcaacg	cgaagtgtc	1080
167	tgacttcaca	gaagaaatct	gtcgtagagt	caaagactta	gattagcact	cctgctggtg	1140
168	gatttgctgc	agtcagtcaa	tactccaaa	aggataccct	gtaatcctcc	ttgagggcgc	1200
169	ccaccattgg	tttgettgg	tettgaacga	gtacgttttt	tgaatctggg	ctttctttaa	1260
E--> 170	caaaaccctt	tgcaatggat	gcacatgntg	gccccaggcc	tttcattcaa	aagggtttnc	1320
E--> 171	ccaagtgtctg	gtgggtattta	ttgtcccgtc	tgggtaaactn	ttattttgtg	aactgtgaagt	1380
172	gaactgtatc	atttatcatt	gttaacccat	tttacacttc	aggcaaaatc	attttcctca	1440
173	actgtaaata	ttctgataca	gaattaataa	gagaagatat	ttaacttttt	aacaaaagcc	1500
174	ctggattttt	ggtttatgaa	aaacaaactg	ggaataaaac	agggttttta	caatcgaca	1560
175	agataacatt	attctaatac	taatgggtac	aaaagaaatt	tactgggaaa	gttcacagca	1620

see item 9 on Error summary sheet

item 9

RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/559,013A

TIME: 11:32:09

Input Set : A:\473195_1.txt

Output Set: N:\CRF3\07272001\I559013A.raw

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176 aaaaaatggt atatttctta aaaatatgga aataaagtat ttgtcctata catgaattac 1680
177 tattaataaaa aatgtaagct ccaag 1705
179 <210> SEQ ID NO: 6
180 <211> LENGTH: 233
181 <212> TYPE: PRT
182 <213> ORGANISM: Mus musculus
184 <400> SEQUENCE: 6
185 Ala Ala Val Arg Glu Val Asp Ala Met Ala Gly Ser Ala Trp Val Ser
186 1 5 10 15
187 Lys Val Ser Arg Leu Leu Gly Ala Phe His Asn Thr Lys Gln Val Thr
188 20 25 30
189 Arg Gly Phe Ala Gly Gly Val Gln Thr Val Thr Leu Ile Pro Gly Asp
190 35 40 45
191 Gly Ile Gly Pro Glu Ile Ser Ala Ser Val Met Lys Ile Phe Asp Ala
192 50 55 60
193 Ala Lys Ala Pro Ile Gln Trp Glu Glu Arg Asn Val Thr Ala Ile Gln
194 65 70 75 80
195 Gly Pro Gly Gly Lys Trp Met Ile Pro Pro Glu Ala Lys Glu Ser Met
196 85 90 95
197 Asp Lys Asn Lys Met Gly Leu Lys Gly Pro Leu Lys Thr Pro Ile Ala
198 100 105 110
199 Ala Gly His Pro Ser Met Asn Leu Leu Leu Arg Lys Thr Phe Asp Leu
200 115 120 125
201 Tyr Ala Asn Val Arg Pro Cys Val Ser Ile Glu Gly Tyr Lys Thr Pro
202 130 135 140
203 Tyr Thr Asp Val Asn Ile Val Thr Ile Arg Glu Asn Thr Glu Gly Glu
204 145 150 155 160
205 Tyr Ser Gly Ile Glu His Val Ile Val Asp Gly Val Val Gln Ser Ile
206 165 170 175
207 Lys Leu Ile Thr Glu Glu Ala Ser Lys Arg Ile Ala Glu Phe Ala Ser
208 180 185 190
E--> 209 Ser Thr Leu Gly Thr Thr Thr Gly Thr Thr Ser Xaa Leu Cys Thr Lys
210 195 200 205
211 Ala Asn Ile Met Arg Met Ser Asp Gly Leu Phe Leu Gln Lys Cys Arg
212 210 215 220
213 Glu Ile Cys Gly Arg Thr Val Lys Thr
214 225 230
273 <210> SEQ ID NO: 9
274 <211> LENGTH: 882
275 <212> TYPE: DNA
276 <213> ORGANISM: Mus musculus
278 <400> SEQUENCE: 9
279 ggcacgagct cggcctagg agaccgcgat ggcgttctctg tgtcagcgcg acagctacgc 60
280 acgggagttc accaccaccg tgggtctctg tagtcccgcc gagctgcaga cggacgcgag 120
281 cggcggcaag aaagaagtgt tgagcggatt ccatgtggtt ctggaagaca cgctgctttt 180
282 ccccgagggc gggggacagc ctgatgaccg tggtagcatc aatgacatct ctgtgctgag 240
283 ggtgaccgct cgtggggccc aggccgatca cttcacggag tcacctctgt cccctgggag 300
284 tcaagtccag gtccgggtgg actgggagcg gaggtttgac cacatgcagc agcattcagg 360
285 gcaacatctc atcacccggg ttgctgacct tctcttcggg ctgaagacaa cgctatggga 420

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Item 9

P.3

RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/559,013A

TIME: 11:32:09

Input Set : A:\473195_1.txt

Output Set: N:\CRF3\07272001\I559013A.raw

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286 gttagggaga ctccggagtg tgattgagtt ggacagccct tctgtgactg ctgagcaggt 480
287 ggctgctatc gagcaagagt gtcaatcaga aaateagaga eeggcctgct ggtgagtgtt 540
E--> 288 cgagagctga netgnatgac cctgaagggtg gaccagggtga agggggncgg ggntttgccc 600
E--> 289 gatgaatcaa tgctgggccc attcgagntt nttaccaatc ggaagggtgtt aaaacnccaa 660
E--> 290 caatgtgcng tngggaacnc acgtnaagcc aaacctcgnt gaccttcagg tcnattnaaa 720
E--> 291 attctggggg anctggaaaa agggnaaaaa agnacaaaa gccaacctgg atatttcnng 780
E--> 292 gccgggnanc nggttantga antttggatt ggnnacnnaa ttcctgggaa gttgaaaaag 840
E--> 293 cctttgnacc cccctaactt naaantntgn gcattnaaan tn 882
480 <210> SEQ ID NO: 15
481 <211> LENGTH: 612
482 <212> TYPE: DNA
483 <213> ORGANISM: Mus musculus
485 <400> SEQUENCE: 15
486 cggcacgagc tcgtgtcctc tgcgcctgtg tccgcgcctt gccgcggccc ttgcgcgcgc 60
E--> 487 tgccccggct tcccacnttg gccttggcgc ggccgctcag caccacccta tgccctgagg 120
488 gaatccggag gagaccggg gctctgcagt ccgccttggc gctcgcgcag gtgcctggaa 180
489 cagtcacaca tttgtgccgc cagtacagtg acgcaccccc actgacgtta gaggaatcaa 240
490 ggaccgagtt ctgtatgtct tgaaactcta tgataagatt gatccagaaa agctctccgt 300
491 aaattctcat tttatgaagg acctgggctt agacagtttg gaccaagtgg aaattattat 360
492 ggccatggaa gacgaatttg ggtttgaat tctgatata gatgcagaga agttaatgtg 420
493 tccacaagaa attgtagatt acattgcaga taagaaggat gtgtatgaat aaagtatcag 480
494 agccttcttc ctactgtga ggactccaga ggacacacga tggcatcgtg gccgactgac 540
495 agcggctctg ttcaacttgt atttaaatg tctgagtgtt ttaccctgta aaaataaata 600
496 tattacaaaa ct 612

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VERIFICATION SUMMARY

DATE: 07/27/2001

PATENT APPLICATION: US/09/559,013A

TIME: 11:32:10

Input Set : A:\473195_1.txt

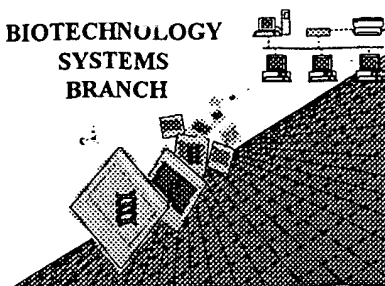
Output Set: N:\CRF3\07272001\I559013A.raw

L:159 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:5
M:340 Repeated in SeqNo=5
L:209 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:6
L:288 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
M:340 Repeated in SeqNo=9
L:487 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:15

1/10/01
A.
Holleran

RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/559,013A

Source: 1600 Rust

Date Processed by STIC: 7/27/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>